



5 March 1999

**CHEMICAL  
PHYSICS  
LETTERS**

Chemical Physics Letters 301 (1999) 579–587

## Author index to volume 301

- Adamo, C., see Jolibois, F. 301 (1999) 255
- Ahmed, M., D.S. Peterka and A.G. Suits, Crossed-beam reaction of  $\text{O}(\text{}^1\text{D}) + \text{D}_2 \rightarrow \text{OD} + \text{D}$  by velocity map imaging 301 (1999) 372
- Allcock, P., R.D. Jenkins and D.L. Andrews, Laser assisted resonance energy transfer 301 (1999) 228
- Allwood, D.A., P.E. Dyer, J. Gonzalo, H.V. Snelling and M. Hird, XeCl laser deposition of liquid crystals: results and mechanisms 301 (1999) 91
- An, X., see Zhang, T. 301 (1999) 343
- Andrews, D.L., see Allcock, P. 301 (1999) 228
- Andrews, D.L., see Jenkins, R.D. 301 (1999) 235
- Andriotis, A.N., M. Menon, G.E. Froudakis and J.E. Lowther, Tight-binding molecular dynamics study of transition metal carbide clusters 301 (1999) 503
- Arai, S., see Matsuura, K. 301 (1999) 401
- Asmis, K.R., see Taylor, T.R. 301 (1999) 413
- Asplund, M., see Hamm, P. 301 (1999) 167
- Baeck, K.K., see Yoon, B.J. 301 (1999) 481
- Baek, D.Y., see Lee, S.K. 301 (1999) 407
- Balasubramanian, K., see Feng, P.Y. 301 (1999) 458
- Bandilla, M., see Leupold, D. 301 (1999) 537
- Barone, V., see Jolibois, F. 301 (1999) 255
- Barone, V., see Scalmani, G. 301 (1999) 263
- Bax, A., see Gaemers, S. 301 (1999) 138
- Beck, K.M., T. Sasaki and N. Koshizaki, Characterization of nanocomposite materials prepared via laser ablation of Pt/TiO<sub>2</sub> bi-combinant targets 301 (1999) 336
- Bégué, D., M. Mérawa, M. Rérat and C. Pouchan, Dynamic dipole polarizabilities and C<sub>6</sub> dispersion coefficients for small clusters of beryllium Be<sub>n</sub> ( $n = 2,3,4$ ) 301 (1999) 43
- Belletête, M., see Shen, X. 301 (1999) 193
- Bencivenni, L., see Gontrani, L. 301 (1999) 131
- Benoit, D.M., see Iosue, J.L. 301 (1999) 275
- Berkowitz, M.L., see Yeh, I.-C. 301 (1999) 81
- Bhide, M.K., see Sastry, M.D. 301 (1999) 385
- Biasioli, F., A. Boschetti, P. Piseri, P. Milani and S. Iannotta, Reply to "Comment on: Photofragmentation of C<sub>60</sub> in seeded supersonic molecular beams: effects of ro-vibrational cooling" 301 (1999) 109
- Bise, R.T., see Taylor, T.R. 301 (1999) 413
- Biskupič, S., see Bittererová, M. 301 (1999) 205

- Bittererová, M. and S. Biskupič, Ab initio calculation of stationary points on the HF<sub>2</sub> potential energy surface [Chem. Phys. Lett. 299 (1999) 145–150] 301 (1999) 205
- Blessing, N., see Burkart, S. 301 (1999) 546
- Bonincontro, A., A. De Francesco and G. Onori, Temperature-induced conformational changes of native lysozyme in aqueous solution studied by dielectric spectroscopy 301 (1999) 189
- Boschetti, A., see Biasioli, F. 301 (1999) 109
- Breckenridge, W.H., see Leung, A.W.K. 301 (1999) 325
- Burkart, S., N. Blessing, B. Klipp, J. Müller, G. Ganteför and G. Seifert, Experimental verification of the high stability of Al<sub>13</sub>H: a building block of a new type of cluster material? 301 (1999) 546
- Cachau, R.E., see Ventura, O.N. 301 (1999) 331
- Cadet, J., see Jolibois, F. 301 (1999) 255
- Caminiti, R., see Gontrani, L. 301 (1999) 131
- Campbell, E.E.B., see Hansen, K. 301 (1999) 105
- Cao, C.-B., see Fu, Q. 301 (1999) 87
- Carter, S., see Koput, J. 301 (1999) 1
- Chan, W.-T. and I.P. Hamilton, Correspondence between the one-electron potential and the Laplacian of the electron density as indicators of proton affinity 301 (1999) 53
- Chandrasekhar, J., see Jacob, R. 301 (1999) 498
- Chang, D.-K., see Cheng, S.-F. 301 (1999) 453
- Chavan, S.A., see Sastry, M.D. 301 (1999) 385
- Chawla, R., M. Krishnamurthy, A.K. Shukla and J.H. Futrell, Collision-induced dissociation of CO<sub>2</sub><sup>+</sup> cations: evidence for a long-lived excited state 301 (1999) 531
- Chen, H., see Zhang, T. 301 (1999) 343
- Chen, M.-D., M.-L. Wang, K.-L. Han and S.-L. Ding, Theoretical studies of scattering-angle resolved product rotational alignment for the reaction of Cl with vibrationally excited methane 301 (1999) 303
- Cheng, S.-F. and D.-K. Chang, Proline-induced kink in a helix arises primarily from dihedral angle energy: a molecular dynamics simulation on alamethicin 301 (1999) 453
- Clary, D.C., see Iosue, J.L. 301 (1999) 275
- Conley, C. and F.-M. Tao, Ionic dissociation of hydrogen bromide in water clusters: a computational study 301 (1999) 29
- Dadap, J.I., see Zimdars, D. 301 (1999) 112
- Datta, B., see Mahapatra, U.S. 301 (1999) 206
- De Francesco, A., see Bonincontro, A. 301 (1999) 189
- Demtröder, W., see Wang, J. 301 (1999) 395
- Dibble, T.S., Characterization of HOCH<sub>2</sub>CH<sub>2</sub>O and its dissociation pathway 301 (1999) 297
- Ding, S.-L., see Chen, M.-D. 301 (1999) 303
- Doltsinis, N.L. and P.J. Knowles, Theoretical photoabsorption spectrum of Ar<sub>3</sub><sup>+</sup> 301 (1999) 241
- Dupree, R., see Mildner, T. 301 (1999) 389
- Durocher, G., see Shen, X. 301 (1999) 193
- Dyer, P.E., see Allwood, D.A. 301 (1999) 91
- Ehlert, J., see Leupold, D. 301 (1999) 537
- Eisenthal, K.B., see Zimdars, D. 301 (1999) 112
- Elrod, M.J., see Messer, B.M. 301 (1999) 10

- Elsevier, C.J., see Gaemers, S. 301 (1999) 138
- Enderlein, J., Single molecule fluorescence in ultrathin capillaries: an electrodynamic study 301 (1999) 430
- Engel, V., see Meyer, S. 301 (1999) 248
- Feng, P.Y. and K. Balasubramanian, Electronic states of  $\text{Al}_3\text{P}$  and  $\text{AlP}_3$  and their positive ions 301 (1999) 458
- Froudakis, G.E., see Andriotis, A.N. 301 (1999) 503
- Fu, Q., J.-T. Jiu, H. Wang, C.-B. Cao and H.-S. Zhu, Simultaneous formation of diamond-like carbon and carbon nitride films in the electrodeposition of an organic liquid 301 (1999) 87
- Fuentealba, P., On the ground-state structure of  $\text{XBO}$  ( $\text{X} = \text{Li}, \text{Na}$  and  $\text{K}$ ) molecules 301 (1999) 59
- Fujimura, Y., see Tsurumaki, H. 301 (1999) 145
- Futrell, J.H., see Chawla, R. 301 (1999) 531
- Gaemers, S., C.J. Elsevier and A. Bax, NMR of biomolecules in low viscosity, liquid  $\text{CO}_2$  301 (1999) 138
- Galbraith, J.M., see Portmann, S. 301 (1999) 98
- Ganteför, G., see Burkart, S. 301 (1999) 546
- Gardecki, J.A. and M. Maroncelli, Solvation and rotational dynamics in acetonitrile/propylene carbonate mixtures: a binary system for use in dynamical solvent effect studies 301 (1999) 571
- Gerry, M.C.L., see Walker, K.A. 301 (1999) 200
- Gong, Q., see Zhang, T. 301 (1999) 343
- Gontrani, L., R. Caminiti, L. Bencivenni and C. Sadun, Molecular aggregation phenomena in solution: an energy dispersive X-ray diffraction study of concentrated imidazole water solutions 301 (1999) 131
- Gonzalo, J., see Allwood, D.A. 301 (1999) 91
- Goode, J.G., see Hofstein, J.D. 301 (1999) 121
- Grand, A., see Jolibois, F. 301 (1999) 255
- Granovsky, A.A., see Nemukhin, A.V. 301 (1999) 287
- Grigorenko, B.L., see Nemukhin, A.V. 301 (1999) 287
- Grobert, N., see Hsu, W.K. 301 (1999) 159
- Hamilton, I.P., see Chan, W.-T. 301 (1999) 53
- Hamm, P., M. Lim, M. Asplund and R.M. Hochstrasser, The fifth-order contribution to the oscillations in photon echoes of anharmonic vibrators 301 (1999) 167
- Han, K.-L., see Chen, M.-D. 301 (1999) 303
- Handy, N.C., see Koput, J. 301 (1999) 1
- Hansen, K., R. Müller and E.E.B. Campbell, Comment on "Photofragmentation of  $\text{C}_{60}$  in seeded supersonic molecular beams: effects of ro-vibrational cooling" 301 (1999) 105
- Harada, M., I. Watanabe and H. Watarai, Calculation of electrostatic solvation energies for polycyclic aromatic hydrocarbon mono-cations in acetonitrile 301 (1999) 270
- Hare, J.P., see Hsu, W.K. 301 (1999) 159
- Hase, H., see Matsuura, K. 301 (1999) 401
- Hayashi, H., see Mori, Y. 301 (1999) 365
- He, G. and R.G. Macdonald, Experimental determination of the  $\nu_1$  fundamental vibrational transition moment for HNC 301 (1999) 175
- Heinz, T.F., see Zimdars, D. 301 (1999) 112
- Heitlinger, M., see Mihelcic, D. 301 (1999) 559



- Hird, M., see Allwood, D.A. 301 (1999) 91  
Hochstrasser, R.M., see Hamm, P. 301 (1999) 167  
Hofstein, J.D., J.G. Goode and P.M. Johnson, A comparative investigation of Rydberg-state survival in several molecules using mass-analyzed threshold ionization 301 (1999) 121  
Hoshino, M., see Matsuura, K. 301 (1999) 401  
Hsu, W.K., J. Li, H. Terrones, M. Terrones, N. Grobert, Y.Q. Zhu, S. Trasobares, J.P. Hare, C.J. Pickett, H.W. Kroto and D.R.M. Walton, Electrochemical production of low-melting metal nanowires 301 (1999) 159  
  
Iannotta, S., see Biasioli, F. 301 (1999) 109  
Iosue, J.L., D.M. Benoit and D.C. Clary, Diffusion Monte Carlo simulations of methanol-water clusters 301 (1999) 275  
  
Jacob, R., M. Puranik and J. Chandrasekhar, Isotope effects on the equilibrium of *p*-benzoquinone and its radical anion: ab initio and DFT studies 301 (1999) 498  
Jagannathan, R., see Sai Sundar, V.V.S.S. 301 (1999) 417  
Jarzęba, W., S. Murata and M. Tachiya, Ultrafast dynamics of the excited tetracyanoethylene-toluene electron donor-acceptor complex 301 (1999) 347  
Jena, P., see Nayak, S.K. 301 (1999) 379  
Jenkins, R.D. and D.L. Andrews, Twin-donor systems for resonance energy transfer 301 (1999) 235  
Jenkins, R.D., see Allcock, P. 301 (1999) 228  
Jeon, S.I., see Yoon, B.J. 301 (1999) 481  
Jeschke, G., Coherent superposition of dressed spin states and pulse dressed electron spin resonance 301 (1999) 524  
Jiu, J.-T., see Fu, Q. 301 (1999) 87  
Johnson, P.M., see Hofstein, J.D. 301 (1999) 121  
Jokisaari, J., see Ylihautala, M. 301 (1999) 153  
Jolibois, F., A. Grand, J. Cadet, C. Adamo and V. Barone, Towards an effective computational tool for the study of radiation-induced lesions of DNA bases. Hydrogen addition to thymine as a test case 301 (1999) 255  
Julian, R.R., see Leung, A.W.K. 301 (1999) 325  
  
Kadam, R.M., see Sastry, M.D. 301 (1999) 385  
Kahn, O., see Sastry, M.D. 301 (1999) 385  
Kai, Y., see Kinoshita, S. 301 (1999) 183  
Kajimoto, O., see Tsurumaki, H. 301 (1999) 145  
Karthikeyani, A., see Sai Sundar, V.V.S.S. 301 (1999) 417  
Keil, M., see Wang, J. 301 (1999) 395  
Kiefer, W., see Meyer, S. 301 (1999) 248  
Kieninger, M., see Ventura, O.N. 301 (1999) 331  
Kinoshita, S., Y. Kai and Y. Watanabe, Origin of initial rise process of ultrafast exponential response in liquids 301 (1999) 183  
Kitagawa, Y., see Takano, Y. 301 (1999) 309  
Kley, D., see Mihelcic, D. 301 (1999) 559  
Klimov, V.V. and V.S. Letokhov, Enhancement and inhibition of spontaneous emission rates in nanobubbles 301 (1999) 441  
Klipp, B., see Burkart, S. 301 (1999) 546  
Knowles, P.J., see Doltsinis, N.L. 301 (1999) 241

- Koput, J., S. Carter and N.C. Handy, The vibrational-rotational energy levels of silanone 301 (1999) 1
- Koshizaki, N., see Beck, K.M. 301 (1999) 336
- Krämer, H.-G., see Wang, J. 301 (1999) 395
- Krishnamurthy, M., see Chawla, R. 301 (1999) 531
- Kroto, H.W., see Hsu, W.K. 301 (1999) 159
- Kuyucak, S., Shape-phase transitions in the vibron model and bent molecules 301 (1999) 435
- Lapstun, P., see Treboux, G. 301 (1999) 493
- Lazarou, Y.G. and P. Papagiannakopoulos, Theoretical investigation of the thermochemistry of hydrofluoroethers 301 (1999) 19
- Lee, E.P.F. and T.G. Wright, The *cis* and *trans* structures of the NO dimer cation 301 (1999) 467
- Lee, E.P.F., P. Soldán and T.G. Wright, The heat of formation of  $\text{NaO}_2^+(\text{X}^3\Sigma^-)$  and  $\text{NaO}_2(\tilde{\text{X}}^2\text{A}_2)$  301 (1999) 317
- Lee, S., see Park, H. 301 (1999) 487
- Lee, S.K. and D.Y. Baek, Vibronic analysis of the jet-cooled emission spectrum of *p*-fluorobenzyl radical in the  $\text{D}_1 \rightarrow \text{D}_0$  transition 301 (1999) 407
- Letokhov, V.S., see Klimov, V.V. 301 (1999) 441
- Leung, A.W.K., R.R. Julian and W.H. Breckenridge, The lowest energy  $^3\Pi_{2,1,0^+,0^-}$  and  $^3\Sigma_{1,0^-}^+$  excited states of the MgNe van der Waals molecule 301 (1999) 325
- Leupold, D., H. Stiel, J. Ehlert, F. Nowak, K. Teuchner, B. Voigt, M. Bandilla, B. Ücker and H. Scheer, Photophysical characterization of the B800-depleted light harvesting complex B850 of *Rhodobacter sphaeroides*. Implications to the ultrafast energy transfer 800  $\rightarrow$  850 nm 301 (1999) 537
- Li, J., see Hsu, W.K. 301 (1999) 159
- Li, S., see Yu, J. 301 (1999) 217
- Li, X., see Nayak, S.K. 301 (1999) 379
- Lim, M., see Hamm, P. 301 (1999) 167
- Liu, M., see Matsuura, K. 301 (1999) 401
- Lounila, J., see Ylihautala, M. 301 (1999) 153
- Lowther, J.E., see Andriotis, A.N. 301 (1999) 503
- Lüthi, H.P., see Portmann, S. 301 (1999) 98
- Macdonald, R.G., see He, G. 301 (1999) 175
- Mahapatra, U.S., B. Datta and D. Mukherjee, Development of a size-consistent state-specific multireference perturbation theory with relaxed model-space coefficients [Chem. Phys. Lett. 299 (1999) 42-50] 301 (1999) 206
- Maroncelli, M., see Gardecki, J.A. 301 (1999) 571
- Materny, A., see Meyer, S. 301 (1999) 248
- Matsuura, K., M. Liu, M. Hoshino, H. Hase, S. Arai and Y. Miyatake, Optical and ESR studies of radiolytically reduced species of Ag(I) complexes in organic solid solutions at 77 K 301 (1999) 401
- Mazur, G., see Petelenz, P. 301 (1999) 223
- Menon, M., see Andriotis, A.N. 301 (1999) 503
- Mérawa, M., see Bégue, D. 301 (1999) 43
- Messer, B.M. and M.J. Elrod, A theoretical study of ROX (R = H, CH<sub>3</sub>; X = F, Cl, Br) enthalpies of formation, ionization potentials and fluoride affinities 301 (1999) 10
- Meyer, S., M. Schmitt, A. Materny, W. Kiefer and V. Engel, Simulation of femtosecond time-resolved four-wave mixing experiments on I<sub>2</sub> 301 (1999) 248

- Mihelcic, D., M. Heitlinger, D. Kley, P. Müsgen and A. Volz-Thomas, Formation of hydroxyl and hydroperoxy radicals in the gas-phase ozonolysis of ethene 301 (1999) 559
- Milani, P., see Biasioli, F. 301 (1999) 109
- Mildner, T., M.E. Smith and R. Dupree, Rotationally induced triple quantum coherence excitation in MAS NMR spectroscopy of  $I = 5/2$  spins 301 (1999) 389
- Misaizu, F., see Ohshimo, K. 301 (1999) 356
- Miyatake, Y., see Matsuura, K. 301 (1999) 401
- Mori, Y., Y. Sakaguchi and H. Hayashi, Magnetic-field effects on reactions of triradicals generated by photolysis of benzophenone–diphenylmethane–nitroxide trifunctional compounds 301 (1999) 365
- Mukherjee, D., see Mahapatra, U.S. 301 (1999) 206
- Müller, J., see Burkart, S. 301 (1999) 546
- Müller, R., see Hansen, K. 301 (1999) 105
- Murata, S., see Jarzēba, W. 301 (1999) 347
- Müsgen, P., see Mihelcic, D. 301 (1999) 559
- Nayak, S.K., B.K. Rao, P. Jena, X. Li and L.-S. Wang, Observation of a spin-protected high-energy isomer of  $\text{Al}_4\text{N}^-$  cluster 301 (1999) 379
- Nemukhin, A.V., B.L. Grigorenko and A.A. Granovsky, Ab initio potential curves of the fragments and diatomics-in-molecules potential energy surfaces for the  $\text{SH} \cdots \text{Kr}$  complex 301 (1999) 287
- Neumark, D.M., see Taylor, T.R. 301 (1999) 413
- Nowak, F., see Leupold, D. 301 (1999) 537
- Ohno, K., see Ohshimo, K. 301 (1999) 356
- Ohshimo, K., H. Tsunoyama, Y. Yamakita, F. Misaizu and K. Ohno, Photoionization and density functional study of clusters of alkali metal atoms solvated with acetonitrile molecules,  $\text{M}(\text{CH}_3\text{CN})_n$  ( $\text{M} = \text{Li}$  and  $\text{Na}$ ) 301 (1999) 356
- Onori, G., see Bonincontro, A. 301 (1999) 189
- Paddon-Row, M.N., see Shephard, M.J. 301 (1999) 281
- Papagiannakopoulos, P., see Lazarou, Y.G. 301 (1999) 19
- Paramonov, G.K. and P. Saalfrank, A new pump & dump strategy to control chemical reactivity at surfaces: application to photoisomerization of adsorbates 301 (1999) 509
- Park, H. and S. Lee, Ab initio investigations of the pyrrole dimer: a direct observation of the  $\pi$ -facial hydrogen bond 301 (1999) 487
- Patil, S.H. and K.T. Tang, Polarizabilities and dispersion coefficients for alkali systems in second- and third-order perturbation 301 (1999) 64
- Perić, M., Perturbative and variational handling of the Renner–Teller effect in  $\Delta$  electronic states of triatomic molecules 301 (1999) 73
- Petelenz, P. and G. Mazur, Band gap and binding energies of charge-transfer excitons in organic molecular crystals 301 (1999) 223
- Peterka, D.S., see Ahmed, M. 301 (1999) 372
- Pickett, C.J., see Hsu, W.K. 301 (1999) 159
- Piseri, P., see Biasioli, F. 301 (1999) 109
- Portmann, S., J.M. Galbraith, H.F. Schaefer, G.E. Scuseria and H.P. Lüthi, Some new structures of  $\text{C}_{28}$  301 (1999) 98



- Pouchan, C., see Bégué, D. 301 (1999) 43
- Puranik, M., see Jacob, R. 301 (1999) 498
- Qiang, D., see Zhang, T. 301 (1999) 343
- Radziszewski, J.G., Electronic absorption spectrum of phenyl radical 301 (1999) 565
- Rao, B.K., see Nayak, S.K. 301 (1999) 379
- Reid, S.A., Photoionization mass spectrometric study of neutral species from pulsed laser ablation of SnO<sub>2</sub> 301 (1999) 517
- Rérat, M., see Bégué, D. 301 (1999) 43
- Reyman, D. and M.H. Viñas, Temperature effect on excited-state proton transfer reactions of  $\beta$ -carboline in different acetic-acid mixtures 301 (1999) 551
- Saalfraank, P., see Paramonov, G.K. 301 (1999) 509
- Sadun, C., see Gontrani, L. 301 (1999) 131
- Sai Sundar, V.V.S.S., A. Karthikeyani and R. Jagannathan, Structural distortion in (La,Sr)<sub>2</sub>CuO<sub>4</sub> cuprates: an insight using luminescence and EPR probes 301 (1999) 417
- Sakaguchi, Y., see Mori, Y. 301 (1999) 365
- Sasaki, T., see Beck, K.M. 301 (1999) 336
- Sastry, M.D., M.K. Bhide, R.M. Kadam, S.A. Chavan, J.V. Yakhmi and O. Kahn, Photo-induced changes in magnetic order in the molecular magnet (NBu<sub>4</sub>)<sub>2</sub>Mn<sub>2</sub>[Cu(opba)]<sub>3</sub> · 6DMSO · 1H<sub>2</sub>O 301 (1999) 385
- Scalmani, G. and V. Barone, Use of molecular symmetry in the computation of solvation energies and their analytical derivatives by the polarizable continuum model 301 (1999) 263
- Schaefer, H.F., see Portmann, S. 301 (1999) 98
- Scheer, H., see Leupold, D. 301 (1999) 537
- Schmidt, B., Quantum dynamics of HF photodissociation in icosahedral Ar<sub>12</sub>HF clusters: rotational control of the hydrogen atom cage exit 301 (1999) 207
- Schmitt, M., see Meyer, S. 301 (1999) 248
- Scuseria, G.E., see Portmann, S. 301 (1999) 98
- Seifert, G., see Burkart, S. 301 (1999) 546
- Shaik, S., see Wu, W. 301 (1999) 37
- Shen, X., M. Belletête and G. Durocher, Interactions between a surface-active cationic 3H-indole molecular probe and  $\beta$ -cyclodextrin. Design of a novel type of rotaxane 301 (1999) 193
- Shephard, M.J. and M.N. Paddon-Row, The distance dependence of the electronic coupling for hole transfer in cation radical systems. A comparison with results obtained by the use of Koopmans' theorem 301 (1999) 281
- Shukla, A.K., see Chawla, R. 301 (1999) 531
- Silverbrook, K., see Treboux, G. 301 (1999) 493
- Smith, M.E., see Mildner, T. 301 (1999) 389
- Snelling, H.V., see Allwood, D.A. 301 (1999) 91
- Soda, T., see Takano, Y. 301 (1999) 309
- Soldán, P., see Lee, E.P.F. 301 (1999) 317
- Spackman, M.A., Hydrogen bond energetics from topological analysis of experimental electron densities: Recognising the importance of the promolecule 301 (1999) 425
- Stiel, H., see Leupold, D. 301 (1999) 537
- Suits, A.G., see Ahmed, M. 301 (1999) 372

- Tachiya, M., see Jarzęba, W. 301 (1999) 347
- Takano, Y., T. Soda, Y. Kitagawa, Y. Yoshioka and K. Yamaguchi, Theoretical studies of the effective exchange interactions and photoinduced magnetism in manganese and copper di(4-pyridyl)carbene complexes 301 (1999) 309
- Tang, K.T., see Patil, S.H. 301 (1999) 64
- Tao, F.-M., see Conley, C. 301 (1999) 29
- Taylor, T.R., R.T. Bise, K.R. Asmis and D.M. Neumark, The singlet-triplet splittings of NCN 301 (1999) 413
- Terrones, H., see Hsu, W.K. 301 (1999) 159
- Terrones, M., see Hsu, W.K. 301 (1999) 159
- Teuchner, K., see Leupold, D. 301 (1999) 537
- Trasobares, S., see Hsu, W.K. 301 (1999) 159
- Treboux, G., P. Lapstun, Z. Wu and K. Silverbrook, Electronic conductance of helicenes 301 (1999) 493
- Tse, J.S., see Uehara, K. 301 (1999) 474
- Tsunoyama, H., see Ohshimo, K. 301 (1999) 356
- Tsurumaki, H., Y. Fujimura and O. Kajimoto, Stereodynamics of the reactions of O(<sup>1</sup>D) with C<sub>2</sub>H<sub>4</sub> and C<sub>2</sub>H<sub>6</sub> 301 (1999) 145
- Ücker, B., see Leupold, D. 301 (1999) 537
- Uehara, K. and J.S. Tse, Soft X-ray fluorescence spectra of photoluminescent layered polysilanes 301 (1999) 474
- Ventura, O.N., R.E. Cachau and M. Kieninger, Density functional and coupled-cluster calculations of isodesmic reactions involving fluorine oxides 301 (1999) 331
- Viñas, M.H., see Reyman, D. 301 (1999) 551
- Voigt, B., see Leupold, D. 301 (1999) 537
- Volz-Thomas, A., see Mihelcic, D. 301 (1999) 559
- Von Busch, H., see Wang, J. 301 (1999) 395
- Walker, K.A. and M.C.L. Gerry, Laboratory microwave spectroscopy of aluminium cyanide 301 (1999) 200
- Walton, D.R.M., see Hsu, W.K. 301 (1999) 159
- Wang, F., see Zhang, T. 301 (1999) 343
- Wang, H., see Fu, Q. 301 (1999) 87
- Wang, J., H.-G. Krämer, M. Keil, H. von Busch and W. Demtröder, Photodepletion spectroscopy and predissociation of the Na<sub>3</sub> A'(²A') state 301 (1999) 395
- Wang, L.-S., see Nayak, S.K. 301 (1999) 379
- Wang, M.-L., see Chen, M.-D. 301 (1999) 303
- Watanabe, I., see Harada, M. 301 (1999) 270
- Watanabe, Y., see Kinoshita, S. 301 (1999) 183
- Watarai, H., see Harada, M. 301 (1999) 270
- Wright, T.G., see Lee, E.P.F. 301 (1999) 317
- Wright, T.G., see Lee, E.P.F. 301 (1999) 467
- Wu, G., see Yu, J. 301 (1999) 217
- Wu, W. and S. Shaik, VB-DFT: a nonempirical hybrid method combining valence bond theory and density functional energies 301 (1999) 37
- Wu, Z., see Treboux, G. 301 (1999) 493



- Xue, D. and S. Zhang, Effect of hydrogen bonds on optical nonlinearities of inorganic crystals 301 (1999) 449
- Yakhmi, J.V., see Sastry, M.D. 301 (1999) 385
- Yamaguchi, K., see Takano, Y. 301 (1999) 309
- Yamakita, Y., see Ohshimo, K. 301 (1999) 356
- Yang, H., see Zhang, T. 301 (1999) 343
- Yeh, I.-C. and M.L. Berkowitz, Aqueous solution near charged Ag(111) surfaces: comparison between a computer simulation and experiment 301 (1999) 81
- Ylihautala, M., J. Lounila and J. Jokisaari, Nuclear magnetic shielding of noble gases in an anisotropic environment:  $^{21}\text{Ne}$  and  $^{129}\text{Xe}$  in a liquid crystal 301 (1999) 153
- Yoon, B.J., K.K. Baek and S.I. Jeon, Calculation of the chemical potentials of hard-sphere solutes solvated in hard-sphere solvents using the radial free-space distribution function 301 (1999) 481
- Yoshioka, Y., see Takano, Y. 301 (1999) 309
- Yu, J., S. Li and G. Wu, Multifractal analysis for the eigencoefficients of the eigenstates of highly excited vibration 301 (1999) 217
- Zhang, S., see Xue, D. 301 (1999) 449
- Zhang, T., F. Wang, H. Yang, Q. Gong, X. An, H. Chen and D. Qiang, Measurement on the third-order optical nonlinearity of  $\text{C}_{70}$  and its poly-aminonitrile derivative by using the femtosecond optical Kerr effect 301 (1999) 343
- Zhu, H.-S., see Fu, Q. 301 (1999) 87
- Zhu, Y.Q., see Hsu, W.K. 301 (1999) 159
- Zimdars, D., J.I. Dadap, K.B. Eisenthal and T.F. Heinz, Femtosecond dynamics of solvation at the air/water interface 301 (1999) 112

